

### AMENDMENTS TO THE CLAIMS

18. (Currently Amended): A process for producing luminescent fiber comprising at least one fiber-forming material and dispersed therein at least one luminophor pigment characterized in that it has an average particle size of from about 1 micron to about 30 microns, comprising the steps of adding said inorganic luminophor pigment to the fiber-forming material or a solution thereof, wherein said fiber-forming material or solution thereof is miscible with said pigment; and spinning fiber therefrom.

19. (Previously Presented): A process for producing a luminescent fiber according to claim 18 wherein said fiber-forming material is viscose and said inorganic luminophor pigment has an average particle size of from about 5 microns to about 20 microns, comprising adding the inorganic luminophor pigment to the fiber-forming material or a solution thereof in an amount sufficient to provide from about 5 wt% to about 50 wt% of the water free mass of fiber; and spinning fiber therefrom.